Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of the Claims:

1. (Previously Presented) A method for booting a subsystem, comprising:

retrieving a subsystem boot indicator;

transferring information to the subsystem based on the subsystem boot indicator; and

transferring the information to the subsystem is performed without involvement of a main system operating system.

2. (Original) The method according to claim 1, wherein the subsystem boot indicator is located in a non-volatile storage device.

3. (Original) The method according to claim 2, wherein the non-volatile storage device is located within the subsystem.

4. (Canceled)

5. (Previously Presented) The method according to claim 1, wherein transferring information to the subsystem is performed over a bus whose width is less than that of the main system.

6. (Previously Presented) The method according to claim 1, wherein transferring information to the subsystem is performed over a communication link whose bandwidth is less than that of the main system.

7. (Original) The method according to claim 1, wherein transferring information to the subsystem is transferring information to a memory accessible by the subsystem.

8. (Previously Presented) A method comprising:

   starting a boot up of a system;

   retrieving a boot indicator;

   transferring information inaccessible to a subsystem to a location

accessible by the subsystem based upon the boot indicator; and

   shutting down the system before a main operating system for the system

has substantially started executing.

9. (Canceled)

10. (Original) The method according to claim 8, wherein shutting down the system does not shut down the subsystem.

11. (Original) The method according to claim 8, wherein the location is a memory location.

12. (Previously Presented) A machine-readable medium having stored thereon instructions, which when executed by a processor, causes said processor to perform the following:

retrieve a subsystem boot indicator;

transfer information to a subsystem based on the subsystem boot indicator; and

transfer the information to the subsystem is performed without involvement of a main system operating system.

13. (Original) The machine-readable medium according to claim 12, wherein transferring the information to a subsystem comprises transferring the information to a storage accessible by the subsystem.

14. (Original) The machine-readable medium according to claim 12, wherein retrieving the subsystem boot indicator is retrieving the subsystem boot indicator from a non-volatile storage device.

15. (Canceled)

16. (Canceled)

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17. (Canceled)

18. (Canceled)

19. (Canceled)

20. (Canceled)

21. (Canceled)

22. (Canceled)

23. (Canceled)

24. (Previously Amended) An apparatus for booting a subsystem, comprising:

    means for retrieving a subsystem boot indicator;

means for determining from the retrieved subsystem boot indicator whether to perform a boot; and

means for performing a requested boot without involvement of a main system operating system.

25. (Original) The apparatus of claim 24, wherein means for performing a requested boot comprises:

means for allowing a subsystem access to a main system storage;

means for retrieving information from the main system storage;

means for transferring the retrieved information to the subsystem;

means for storing the transferred information in a location accessible by the subsystem; and

means for booting the subsystem from the stored information in the location accessible by the subsystem.

26. (Original) The apparatus of claim 24, wherein means for performing a requested boot comprises:

means for allowing a main system access to a main system storage;

means for retrieving information from the main system storage;

means for transferring the retrieved information to the subsystem;

means for storing the transferred information in a location accessible by

the subsystem; and

means for booting the subsystem from the stored information in the location accessible by the subsystem.

27. (Currently Amended) A computer based system comprising:

a main system with a first storage device, the main system capable of running a main operating system;

a subsystem with a second storage device;

a subsystem boot indicator; and

a boot up controller to access the subsystem boot indicator and initiate a booting of the subsystem based upon the subsystem boot indicator, wherein the booting of the subsystem includes retrieving information from the first storage device and transferring the retrieved information to the second storage device, wherein the retrieving and transferring are to be performed substantially by a main system resource without the use of the main operating system.

28. (Canceled)

29. (Canceled)

30. (Original) The computer based system according to claim 28, wherein means for retrieving information and means for transferring the retrieved information is substantially performed by a subsystem resource.